



Quick Compliance Tool Suite (QCTS)

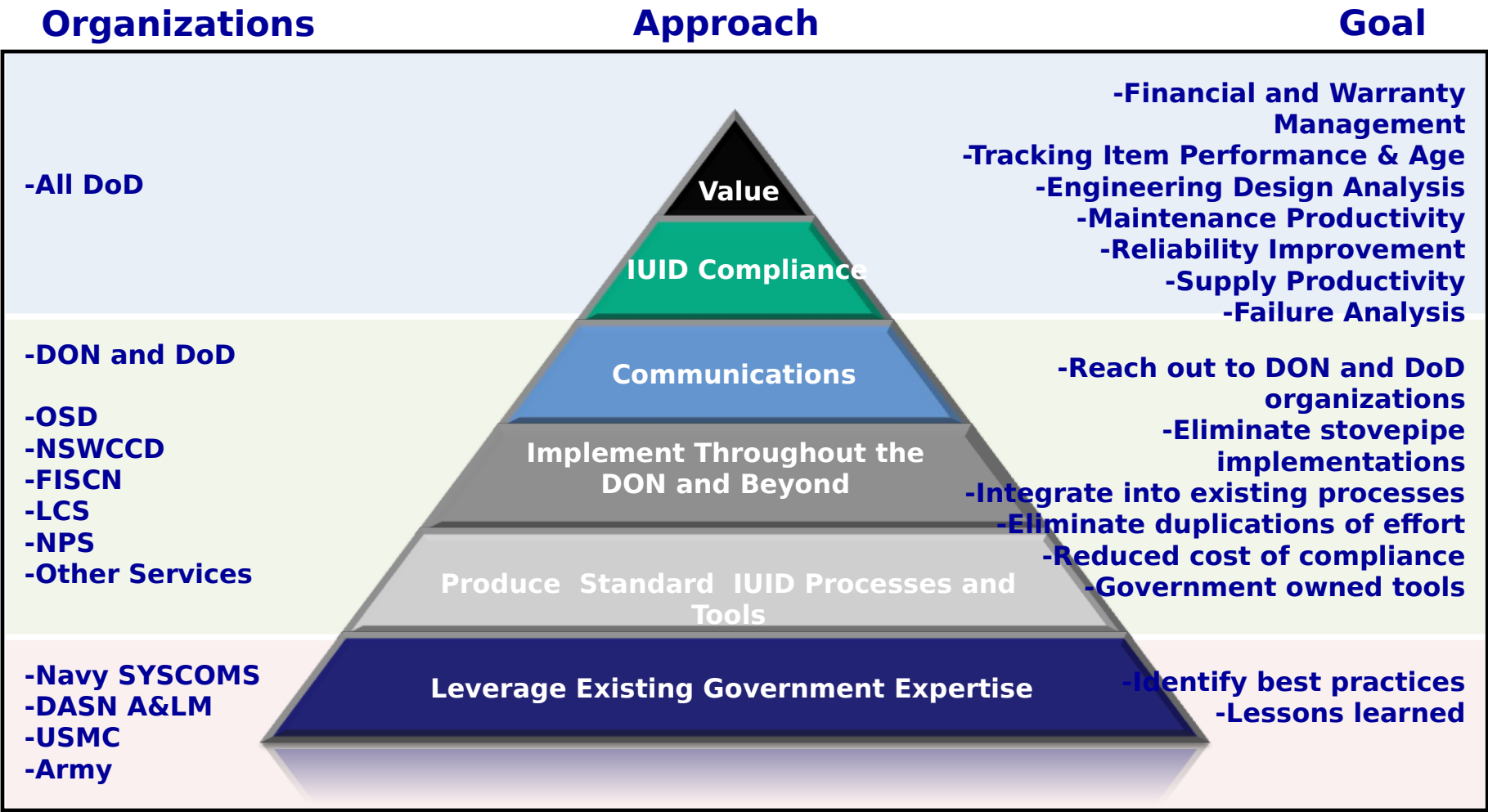
***Ready. Resourceful.
Responsive!***

***Logistics Automation Management
COMFISCS
29 July 2009***

Background

- ❖ **COMFISCS received Congressional funds for IUID**
- ❖ **Intent was to produce Government-owned, standard, reusable tools**
- ❖ **DON IUID progress was behind schedule**
- ❖ **Standard processes needed**

COMFISCS Approach



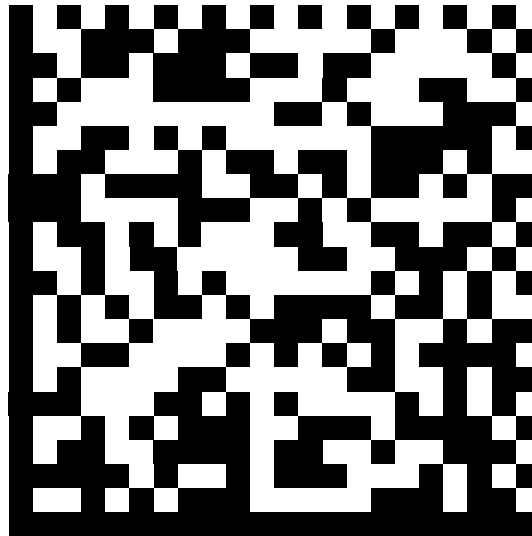
Quick Compliance Tool Suite (QCTS)

- ❖ **Standard IUID tools designed to simplify and expedite IUID compliance efforts**
- ❖ **Contains reusable software modules**
- ❖ **Web based**
- ❖ **Handheld capabilities**
- ❖ **Government-owned**



www.qcts.org

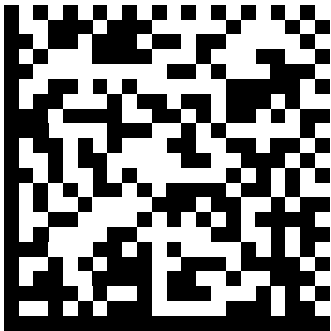
Item Unique Identification (IUID)



What data is in the Data Matrix?	[><R/S>06<G/S>25SLDN64267STDMSL33454<R/S><EOT>
Is it IUID compliant?	YES
What are the different pieces of data within the IUID?	[> <R/S> 06 <G/S> 25S LDN64267STDMSL33454 <R/S> <EOT>
What is the UII?	LDN64267STDMSL33454
Is the UII registered?	NO

QCTS IUID Compliance Checker

- ❖ **Determines whether a 2D data matrix is IUID compliant**
 - Reflection of IUID policy
 - Checks 54+ IUID permutations
- ❖ **If IUID compliant...returns UII and DoD IUID Registry status**
- ❖ **If not IUID compliant...returns why not**




**I'm IUID compliant...
Trust me.**

QCTS
IUID Compliance Registry Check Scanner Support

IUID Compliance

or Upload Browse... Upload Hide Images

Click to Scan  Check Image

UII:

Compliance Results: UID passed error check.

Registry Results: Found in IUID Registry

[Less Information](#)

Checks Performed		IUID Mark Data	
Status	Check Type	Element Name	Value
✓	Check for Invalid Header	CAGE	16331
✓	Check for Invalid Format Code	Serial Number	B333550
✓	Check for Violation of Enterprise Identifier Constraints	Original Part Number	63A158097P1
✓	Check for Invalid CAGE Code	Format	06
✓	Check for Invalid Original Part Number	IAC	D
		UII	D1633163A158097P1B333550
		Raw IUID	[]> <R/S> 06 <G/S> 17V16331 <G/S> 1P63A158097P1 <G/S> SB333550 <R/S> <EOT>

❖ Designed to help managers...

- Organize items to be marked
- Assign personnel to the marking effort
- Identify label types
- Assign marking instructions and helpful images
- Track progress of marking efforts

Bundle Wizard

Step 6: Confirm Information

Please Review the following:

File: ExcelUploadFile12.xls

Bundle: My Inventory

Bundle Description: bundle of my inventory

Bundle Site: Oxford, MS

Label Set Source: Order Labels

Label Set Template: Steel 4x1

Task Name: Task1

Task Description: for marking items

Task Instructions: Put the label on the item

Users: sphillips

Template

UID
D1623163A168997P1B333553

Marking

Previous Submit Cancel

- ❖ Designed to run on handheld computers
- ❖ Series of software modules
- ❖ Helps marking personnel quickly identify items
- ❖ Able to scan IUID data matrices as well as linear barcodes
- ❖ Associates UII with the item's pedigree data
- ❖ Contains filtering capabilities
- ❖ Tested to handle 1,000,000+ items



ILO Validation 4:00

☐ Serial

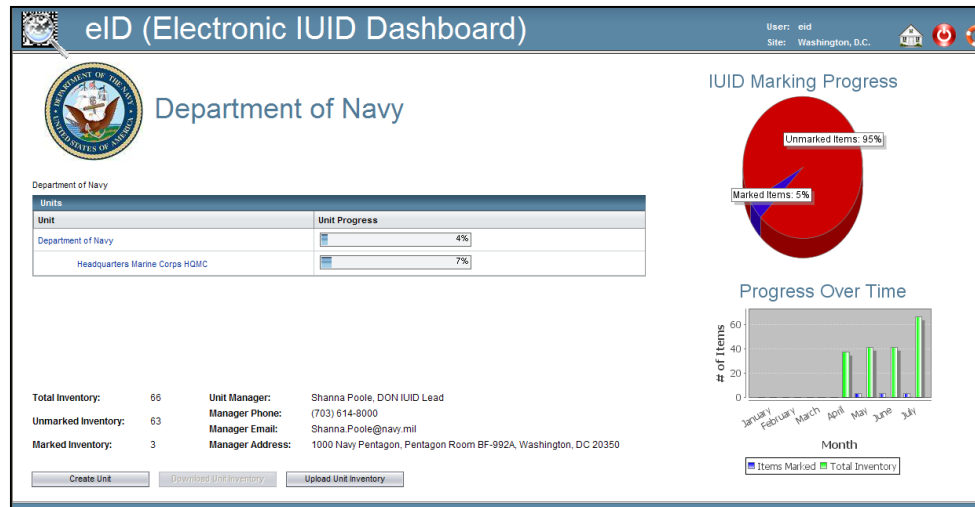
Serial	Part Number
1169463	SNSR-X-038591
PRESSURE TRANSDUCER	
Loc: NIIN:	
Desc: PRESSURE TRANSDUCER	
FSC:	Ser: 1169034
Cage:	Building:
Part: SNSR-X-038591	
On-hand:	<input type="text" value="0"/>
Submit	View Details Collapse
1169482	SNSR-X-038591
PRESSURE TRANSDUCER	

File **View**

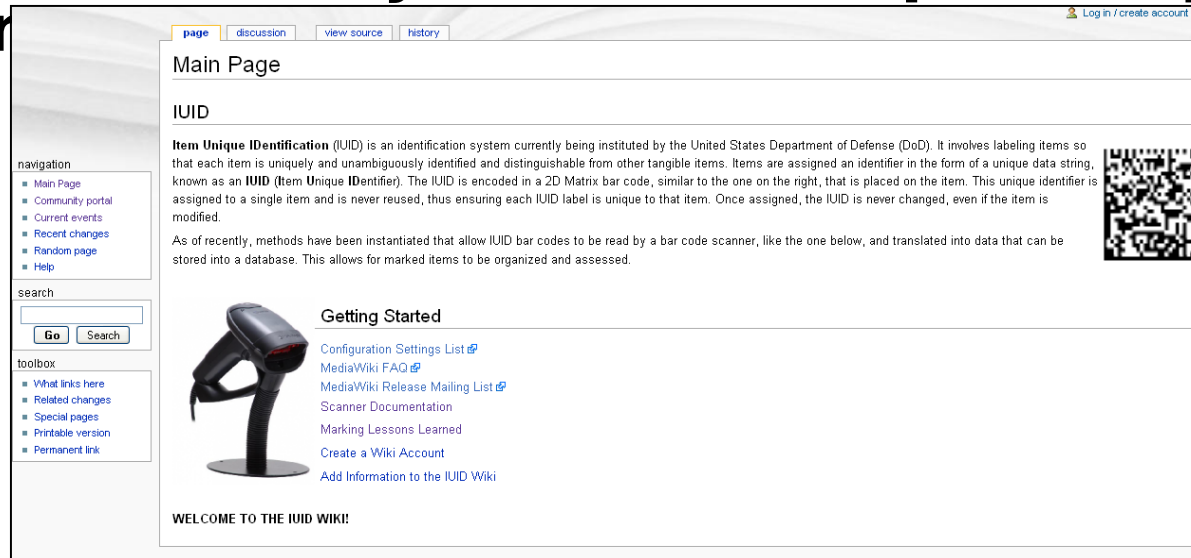
- ❖ **QCTS functionality available for incorporation into existing AISs**
- ❖ **Reduces duplicative software development efforts**
- ❖ **Available as libraries for new and existing applications**
 - Libraries available in Java, JavaScript, and .NET
 - Example code provided to ease integration
- ❖ **Can be used for desktop or handheld applications**

Electronic IUID Dashboard (eID)

- ❖ **Monitors legacy IUID marking over an entire organization or command**
 - Command level marking progress overview (Dashboard)
 - Drill down to any unit below you in the command structure
 - Simple data entry by file upload
 - Fully integrated with QCTS
 - No requirement to use QCTS



- ❖ **Repository for IUID-related experiences**
 - Lessons learned
 - Marking technologies
 - Successful efforts
 - Failed approaches
 - Etc.
- ❖ **Available now, ready for input**
- ❖ **Will mature as subject matter experts input experier**



COMFISCS

Accomplishments

- ❖ **Integrated IUID capabilities into Product History Information Management System (PHIMS) at FISCN Supply, NSWCCD Philadelphia**
- ❖ **Produced Quick Compliance Tool Suite (QCTS)**
 - IUID tools produced for PHIMS used as baseline for QCTS
 - QCTS Web and Mobile versions available
 - Integrated QCTS into hand held solution for MFOM (USFF)
 - Provided dlls for IUID compliance to Barcode System (BCS) in support of LCS
 - Users spread across DoD including Army, Navy, Marine Corps, OSD
- ❖ **Provided wireless equipment and support to Army TAPO**
- ❖ **COMFISCS IUID Team completed marking of items associated with Engine kits**
- ❖ **Procured portable parts marking carts from NSWC Corona and SPAWAR Systems San Diego for 1/3 cost of industry cart**
- ❖ **Provided numerous training sessions via WebEx**
- ❖ **Continued support for Naval Postgraduate School (NPS)**

❖ **Littoral Combat Ship (LCS) support**

- Partnering with LCS MM and Sea Frame to implement IUID
- Currently working with Panama City (Mine Countermeasure)
 - Documenting lessons learned
 - Establishing IUID baseline processes for MPSF
- Scheduled marking of parts associated with 2 30mm guns
 - 20 August 09 at Dahlgren

❖ **FISCN ILO**

- Providing IUID marking capability for FISCN during ILO
- Enhancing manual processes
- Automated Metrics

❖ **Integrating COMFISCS IUID tools into WAWF for Receipt and Acceptance**

- Partnered with OSD



COMMANDER FLEET & INDUSTRIAL SUPPLY CENTERS

QCTS Contacts

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COMFISCS IUID Core Team

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SPAWAR Systems San Diego

Naval Surface Warfare Center Carderock,



COMMANDER FLEET & INDUSTRIAL SUPPLY CENTERS

Questions?